

United States Of America
Department of Transportation - Federal Aviation Administration
Supplemental Type Certificate

Number SA02149AK

This Certificate issued to UPS Aviation Technologies, Inc.
2345 Turner Road, S.E.
Salem, OR 97309

*certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part * of the * Regulations.*

Original Product Type Certificate Number: * * UPS Aviation Model List No. UPS-AT-01, Rev 1, dated February 2, 2000,
Make: * or later FAA approved revision for
Model: * list of approved airplane models,
Type Certification numbers, and
applicable airworthiness regulations.

Description of Type Design Change: Installation of GX50/60 GPS Navigator, Capstone configured MX20 Multi-Function Display, and UAT transceiver, in accordance with UPS Aviation Technologies Capstone Supplemental Type Certificate Master Drawing List, P/N 560-1027-01, dated January 27, 2000.

Limitations and Conditions: Compatibility of this design change with previously approved modifications must be determined by the installer. FAA approved Airplane Flight Manual Supplement or Supplemental Airplane Flight Manual, P/N 560-1028-01, FAA approved February 2, 2000, is a required part of this installation. Installation of the Capstone configured MX20 Multi-Function Display and UAT transceiver limited to aircraft participating in FAA ADS-B Demonstration programs. Transmission of the UAT signal limited to FAA approved demonstration areas. In Alaska, the area is defined by

(See continuation Page 3 of 3)

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: June 15, 1999

Date reissued:

Date of issuance: November 16, 1999

Date amended: February 02, 2000



By direction of the Administrator

Gregory J. Holt
(Signature)

Gregory J. Holt
Manager
Anchorage Aircraft Certification Office

(Title)

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

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Supplemental Type Certificate
(Continuation Sheet)

Number SA02149AK

Date of Issuance: November 16, 1999
Date Amended: February 02, 2000

Limitations and Conditions (Continued):

latitudes 66 degrees North, 58 degrees North, and longitudes 146 degrees West, and 168 degrees West. Refer to the Capstone System Installation Manual, P/N 560-1024-02, for continued airworthiness of the Capstone Avionics System.

If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

<u>Aircraft Make and Model Designation</u>	<u>Original Type Certificate Number</u>	<u>Certification Basis</u>
Raytheon		
A36	3A15	CAR 3
200 Series	A24CE	FAR 23
1900 Series	A24CE	FAR 23
C90 Series	3A20	CAR 3, FAR 23
 Britten-Norman		
BN-2 Series	A29EU	FAR23
 Cessna		
170 Series	A-799	CAR 03
172, 172A, 172B, 172C, 172D, 172E, 172F, 172G, 172H, 172I, 172K, 172L, 172M, 172N, 172P, 172Q, 172R, 172S	3A12	CAR 3, FAR 23
172RG,P172D, R172E, R172F, R172G, R172H, R172J, R172K	3A17	CAR 3
180 Series	5A6	CAR 3
182 Series	3A13	CAR 3, FAR 23
185 Series	3A24	CAR 3
206 Series	A4CE	CAR 3, FAR 23
207 Series	A16CE	FAR 23
208 Series	A37CE	FAR 23
402 Series	A7CE	CAR 3
 DeHavilland		
DHC-2 Series	A-806	CAR 3
DHC-6 Series	A9EA	CAR 3
 Fairchild		
SA227-AT, SA227-TT	A5SW	CAR 3
SA227-AC, SA227-BC, SA227-PC	A8SW	FAR 23
SA227-CC, SA227-DC	A18SW	FAR 23
 Piper		
PA-28 Series	2A13	CAR 3
PA-31, PA-31-300, PA-31- 325, PA-31-350	A20SO	CAR 3

UPS Aviation Technologies, Inc.
2345 Turner Rd. SE
Salem, OR 97302

Approved Model List Number: UPS-AT-01
Revision 1, Issue Date: February 2, 2000

Aircraft Make and Model <u>Designation</u>	Original Type <u>Certificate Number</u>	Certification <u>Basis</u>
Piper (Continued)		
PA-31P, PA-31T, PA-31T1, PA-31T2, PA-31T3, PA-31P- 350	A8EA	CAR 3
PA-32 Series	A3SO	CAR 3
PA-34 Series	A7SO	CAR 3
Partenavia		
P 68C	A31EU	FAR 23
Short Brothers		
SC-7	A15EU	FAR 23